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Attention: 8 (e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460

8EHQ-93-8733
89960000006s

Dear 8(e) Coordinator:

COMPANY SANITIZED

FLWP

8EHQ-93-8733
Substituted Heterocycle

8EHQ-0791-1303
Cymoxanil

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This letter is to inform you of the results of 2 recently conducted acute oral toxicity studies (LD50) in rats with proprietary mixtures containing these materials. For each study, groups of 5 male and 5 female CrI:CD/BR rats were fasted overnight and then administered the test substance by intragastric intubation. After dosing, the rats were observed for mortality and clinical signs of toxicity over a 14-day observation period.

One mixture contained Substituted Heterocycle and Cymoxanil. Male rats were dosed at 4000, 5000, or 6000 mg/kg, and female rats were dosed at 3000, 4000, or 5000 mg/kg. Mortality occurred in 2/5 and 1/5 male rats dosed at 4000 and 6000 mg/kg, respectively, and in 2/5, 1/5, and 4/5 female rats dosed at 3000, 4000, and 5000 mg/kg, respectively. Ataxia, tremors, and splayed hind legs were observed in surviving rats dosed as low as 3000 mg/kg. The LD50 was estimated to be 5000 mg/kg in male rats and 4097 mg/kg in female rats.

The other mixture contained Substituted Heterocycle and Cymoxanil. Male rats were dosed at 4000 or 5000 mg/kg, and female rats were dosed at 3000, 4000, or 5000 mg/kg. No mortality occurred in male rats. Mortality occurred in 1/5, 2/5, and 2/5 female rats dosed at 3000, 4000, and 5000 mg/kg, respectively. Ataxia was observed in surviving female rats dosed at 3000 mg/kg. The LD50 was determined to be greater than 5000 mg/kg in male and female rats.

The clinical signs described above appear to be reportable, based upon EPA guidance regarding the reportability of such data under TSCA Section 8(e) criteria.

Sincerely,

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